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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	42	Jun 06	Simultaneous left and right truncation added to CBNB

NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'BIOSIS' ENTERED AT 11:25:31 ON 14 JUN 2003

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FILE 'EMBASE' ENTERED AT 11:25:31 ON 14 JUN 2003

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FILE 'CAPLUS' ENTERED AT 11:25:31 ON 14 JUN 2003

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=> s maize and transformation and amino(w)acid and (enhanced or altered)

L1 45 MAIZE AND TRANSFORMATION AND AMINO(W) ACID AND (ENHANCED OR ALTERED)

=> uplicate remove l1

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PROCESSING COMPLETED FOR L1

L2 39 DUPLICATE REMOVE L1 (6 DUPLICATES REMOVED)

=> d l2 1-10 ti

L2 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Manipulation of starch granule size and number by FtsZ-encoding nucleic acids from plants

L2 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes

L2 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture

L2 ANSWER 4 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Expression of a bifunctional fusion of the Escherichia coli genes for trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.

L2 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth

L2 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

L2 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA sequences and use in production of insecticidal toxins A and B in transgenic plants

L2 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI cDNA and polypeptide sequences for plant gene brittle-1 homologs and their uses

L2 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning, sequences and recombinant expression of plant biotin synthases

L2 ANSWER 10 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Promoter strength and tissue specificity effects on growth of tomato plants transformed with **maize** sucrose-phosphate synthase.

=> s l2 and transit(w)peptide or signal(w)peptide

L3 28627 L2 AND TRANSIT(W) PEPTIDE OR SIGNAL(W) PEPTIDE

=> s l2 and transit(w)peptide

L4 1 L2 AND TRANSIT(W) PEPTIDE

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2000:161470 CAPLUS

DN 132:204056

TI Plastid targeting sequences for modulating the subcellular localization of

recombinant proteins in plants  
 IN Bensen, Robert J.  
 PA Pioneer Hi-Bred International, Inc., USA  
 SO PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000012732	A2	20000309	WO 1999-US18955	19990825
	WO 2000012732	A3	20001019		
	W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9957794	A1	20000321	AU 1999-57794	19990825
PRAI	US 1998-98225P	P	19980828		
	WO 1999-US18955	W	19990825		

=> s 12 and signal(w)peptide  
 L5 3 L2 AND SIGNAL(W) PEPTIDE

=> d 15 1-3 ab

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AB The 10 kD zein protein contains an N-terminal **signal peptide** that directs the protein into the endoplasmic reticulum (ER) of developing corn seeds. Subsequent to **signal peptide** removal, the mature protein is folded into its tertiary conformation and deposited into protein bodies. In transgenic tobacco leaves, the 10 kD zein protein accumulates and forms novel ER derived protein bodies (S. Bagga, H. Adams, F. Rodriguez, J.D. Kemp, C. Sengupta-Gopalan, Coexpression of the **maize** delta-zein and beta-zein genes results in stable accumulation of delta-zein in endoplasmic reticulum-derived protein bodies formed by beta-zein, The Plant Cell 9 (1997) 1683-1696). In this study, the **amino acid** sequence of the 10 kD zein **signal peptide** was modified to determine the effect on cleavage and accumulation patterns. The modified zein gene was constitutively expressed in tobacco where its protein accumulates in novel protein bodies in leaves. **Amino acid** sequencing of the accumulated protein indicates that the cleavage site for the **signal peptide** was **altered** so that the mature protein includes three additional **amino acids** on the N-terminus. Electron microscopy (EM) analysis of leaves from transgenic plants containing the modified gene indicates the presence of two morphologically distinct protein bodies. Furthermore, immunolocalization analysis shows that the modified protein is localized in both types of protein bodies, which are described as spherical and aggregate in this report. This is in contrast to the accumulation of unmodified 10 kD zein protein in transgenic leaves where only spherical protein bodies are observed.

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS  
 AB The invention provides polynucleotides, preferably synthetic polynucleotides, which encode processing enzymes that are optimized for expression in plants. The polynucleotides encode mesophilic, thermophilic, or hyperthermophilic processing enzymes, which are activated

under suitable activating conditions to act upon the desired substrate. Also provided are "self-processing" transgenic plants, and plant parts, e.g., grain, which express one or more of these enzymes and have an **altered** compn. that facilitates plant and grain processing. Methods for making and using these plants, e.g., to produce food products having improved taste and to produce fermentable substrates for the prodn. of ethanol and fermented beverages are also provided.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

AB Disclosed are peptides that have **enhanced** stability against plant proteases and are useful in the control of plant diseases. The peptides also have the ability to protect other peptides, polypeptides or proteins from degrdn. by proteases of plant, fungal, viral, bacterial, insect or other origin. Indolicidin exhibits remarkable resistance to proteolysis by proteases; the reverse peptide of indolicidin (designated Rev4, Arg-Arg-Trp-Pro-Trp-Trp-Pro-Trp-Lys-Trp-Pro-Leu-Ile) and derivs and analogs of indolicidin and Rev4 share these properties while maintaining antimicrobial properties. Exogenous or non-native peptides, polypeptides and proteins of agronomic interest exhibit greater resistance to degrdn. by multiple classes of proteases that have different active sites and substrate specificities in the presence of indolicidin, Rev4 and related structures. DNA encoding the peptides of the present invention can be co-expressed with other DNA encoding exogenous peptides in transgenic plants as a method for protecting foreign peptides from degrdn. by proteases. Thus, a synthetic gene (RIL) is constructed encoding the Rev4 peptide fused to a secretion **signal peptide** from tobacco PR-1b protein, and used to show increased bacterial and fungal pathogen resistance in transgenic plants. Also disclosed are nucleic acid sequences, microorganisms, plants, and compns. useful for the treatment of plant diseases.

=> d 15 1-3 ti

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Peptides with **enhanced** stability to protease degradation useful in the control of plant diseases

=> d 15 1-3 ibib

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:87704 BIOSIS

DOCUMENT NUMBER: PREV200000087704

TITLE: A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.

AUTHOR(S): Randall, Jennifer; Bagga, Suman; Adams, Henry; Kemp, John D. (1)

CORPORATE SOURCE: (1) Department of Entomology, Plant Pathology and Weed Science, Gene Lab, New Mexico State University, Las Cruces, NM, 88003 USA

SOURCE: Plant Science (Shannon), (Jan. 14, 2000) Vol. 150, No. 1, pp. 21-28.  
ISSN: 0168-9452.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:173758 CAPLUS

DOCUMENT NUMBER: 138:237258

TITLE: Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes

INVENTOR(S): Lanahan, Michael B.; Basu, Shib Sankar; Batie, Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 158 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003018766	A2	20030306	WO 2002-US27129	20020827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-315281P P 20010827

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:314810 CAPLUS

DOCUMENT NUMBER: 132:344450

TITLE: Peptides with **enhanced** stability to protease degradation useful in the control of plant diseases

INVENTOR(S): Everett, Nicholas P.; Li, Qingshun; Lawrence, Christopher; Davies, Maelor H.

PATENT ASSIGNEE(S): Interlink Biotechnologies LLC, USA; University of Kentucky Research Foundation

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026344	A1	20000511	WO 1999-US25561	19991029
W:	AT, AU, BR, CA, JP, MX			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
AU 2000037884	A5	20000522	AU 2000-37884	19991029
BR 9914922	A	20010710	BR 1999-14922	19991029
JP 2002530274	T2	20020917	JP 2000-579716	19991029

PRIORITY APPLN. INFO.: US 1998-106373P P 19981030

US 1998-106537P P 19981102

WO 1999-US25561 W 19991029

OTHER SOURCE(S): MARPAT 132:344450

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 11-20

L1 ANSWER 11 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
AN 1992:262440 BIOSIS  
DN BA93:138765  
TI NADP-ISOCITRATE DEHYDROGENASE AND THE TRANSFORMATIONS OF  
ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.  
AU POPOVA T N; IVANOV B F; ZEMLYANUKHIN A A  
CS VORONEZH STATE UNIV., VORONEZH, RUSS.  
SO FIZIOL RAST (MOSC), (1991) 38 (6), 1142-1149.  
CODEN: FZRSAB. ISSN: 0015-3303.  
FS BA; OLD  
LA Russian

L1 ANSWER 12 OF 45 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.  
AN 1999307199 EMBASE  
TI A polyketide synthase gene required for biosynthesis of fumonisin  
mycotoxins in Gibberella fujikuroi mating population A.  
AU Proctor R.H.; Desjardins A.E.; Plattner R.D.; Hohn T.M.  
CS R.H. Proctor, Mycotoxin Research Unit, Agricultural Research Service, US  
Department of Agriculture, Peoria, IL 61604, United States  
SO Fungal Genetics and Biology, (1999) 27/1 (100-112).  
Refs: 46  
ISSN: 1087-1845 CODEN: FGBIFV  
CY United States  
DT Journal; Article  
FS 004 Microbiology  
052 Toxicology  
LA English  
SL English

L1 ANSWER 13 OF 45 CAPLUS COPYRIGHT 2003 ACS  
AN 2003:335291 CAPLUS  
DN 138:349699  
TI Manipulation of starch granule size and number by FtsZ-encoding nucleic  
acids from plants  
IN Coates, Stephen Andrew; Burrell, Michael Meyrick  
PA Gemstar (Cambridge) Limited, UK  
SO PCT Int. Appl., 129 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003035874	A1	20030501	WO 2002-GB4806	20021024
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
	NE, SN, TD, TG				

PRAI GB 2001-25493 A 20011024

US 2002-346905P P 20020108

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 14 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2003:177360 CAPLUS  
 DN 138:349461  
 TI Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture  
 AU Jang, In-Cheol; Pahk, Yoon-Mok; Song, Sang Ik; Kwon, Ho Jeong; Nahm, Baek Hie; Kim, Ju-Kon  
 CS Department of Biological Science, Myongji University, Yongin, 449-728, S. Korea  
 SO Plant Journal (2003), 33(3), 531-541  
 CODEN: PLJUED; ISSN: 0960-7412  
 PB Blackwell Publishing Ltd.  
 DT Journal  
 LA English  
 RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 15 OF 45 CAPLUS COPYRIGHT 2003 ACS  
 AN 2003:173758 CAPLUS  
 DN 138:237258  
 TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes  
 IN Lanahan, Michael B.; Basu, Shib Sankar; Batie, Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark  
 PA Syngenta Participations AG, Switz.  
 SO PCT Int. Appl., 158 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003018766	A2	20030306	WO 2002-US27129	20020827
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-315281P	P	20010827		

L1 ANSWER 16 OF 45 CAPLUS COPYRIGHT 2003 ACS  
 AN 2002:850366 CAPLUS  
 DN 137:364385  
 TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants  
 IN Simmons, Carl R.; Acevedo, Pedro A. Navarro; Crane, Virginia C.  
 PA Pioneer Hi-Bred International, Inc., USA  
 SO U.S. Pat. Appl. Publ., 24 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002166146	A1	20021107	US 2002-68347	20020206
PRAI	US 2001-267052P	P	20010207		

L1 ANSWER 17 OF 45 CAPLUS COPYRIGHT 2003 ACS  
 AN 2002:575254 CAPLUS



DN 137:136143  
TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth  
IN He, Steven S.; Dotson, Stanton B.  
PA Monsanto Technology LLC, USA  
SO PCT Int. Appl., 169 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002059332	A2	20020801	WO 2001-US49294	20011219
	WO 2002059332	A3	20030130		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002170093	A1	20021114	US 2001-24632	20011219
PRAI	US 2000-257896P	P	20001221		

L1 ANSWER 18 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2002:466761 CAPLUS

DN 137:42657

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA sequences and use in production of insecticidal toxins A and B in transgenic plants

IN French-Constant, Richard H.; Bowen, David; Rocheleau, Thomas A.; Waterfield, Nicholas R.

PA UK

SO U.S. Pat. Appl. Publ., 40 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002078478	A1	20020620	US 2001-817514	20010326
PRAI	US 2000-191806P	P	20000324		

L1 ANSWER 19 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2001:869049 CAPLUS

DN 136:15981

TI cDNA and polypeptide sequences for plant gene brittle-1 homologs and their uses

IN Allen, Stephen M.; Lightner, Jonathan E.; Rafalski, J. Antoni

PA Allen, Stephen, USA

SO U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 668,884.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001047523	A1	20011129	US 2001-796766	20010301
	WO 9949047	A2	19990930	WO 1999-US6583	19990322
	WO 9949047	A3	20000330		
	W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO,			

NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 PRAI US 1998-79420P P 19980326  
 WO 1999-US6583 W 19990322  
 US 2000-668884 A2 20000925

L1 ANSWER 20 OF 45 CAPLUS COPYRIGHT 2003 ACS  
 AN 2001:840306 CAPLUS  
 DN 136:164254  
 TI Study on aluminum resistance in relation to organic-acid anion exudation  
 from roots of PEPC transgenic rice plants  
 AU Osaki, M.; Nursyamsi, D.; Begum, H. H.; Watanabe, T.  
 CS Graduate School of Agriculture, Hokkaido University, Sapporo, 060-8589,  
 Japan  
 SO Developments in Plant and Soil Sciences (2001), 92(Plant Nutrition),  
 514-515  
 CODEN: DVPSD8; ISSN: 0167-840X  
 PB Kluwer Academic Publishers  
 DT Journal  
 LA English  
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l2 1-10 ti ibib  
 MISSING OPERATOR L2 1-10  
 The search profile that was entered contains terms or  
 nested terms that are not separated by a logical operator.

=> d l2 1-10 ti ibib

L2 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI Manipulation of starch granule size and number by FtsZ-encoding nucleic  
 acids from plants  
 ACCESSION NUMBER: 2003:335291 CAPLUS  
 DOCUMENT NUMBER: 138:349699  
 TITLE: Manipulation of starch granule size and number by  
 FtsZ-encoding nucleic acids from plants  
 INVENTOR(S): Coates, Stephen Andrew; Burrell, Michael Meyrick  
 PATENT ASSIGNEE(S): Gemstar (Cambridge) Limited, UK  
 SOURCE: PCT Int. Appl., 129 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035874	A1	20030501	WO 2002-GB4806	20021024
W:				
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
TJ, TM				
RW:				
GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
NE, SN, TD, TG				

PRIORITY APPLN. INFO.: GB 2001-25493 A 20011024  
 US 2002-346905P P 20020108  
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI Self-processing transgenic plants and plant parts expressing  
 hyperthermophilic processing enzymes  
 ACCESSION NUMBER: 2003:173758 CAPLUS  
 DOCUMENT NUMBER: 138:237258  
 TITLE: Self-processing transgenic plants and plant parts  
 expressing hyperthermophilic processing enzymes  
 INVENTOR(S): Lanahan, Michael B.; Basu, Shib Sankar; Batie,  
 Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark  
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.  
 SOURCE: PCT Int. Appl., 158 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003018766	A2	20030306	WO 2002-US27129	20020827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-315281P P 20010827

L2 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI Structure and expression of the rice class-I type histone deacetylase  
 genes OshDAC1-3: OshDAC1 overexpression in transgenic plants leads to  
 increased growth rate and **altered** architecture  
 ACCESSION NUMBER: 2003:177360 CAPLUS  
 DOCUMENT NUMBER: 138:349461  
 TITLE: Structure and expression of the rice class-I type  
 histone deacetylase genes OshDAC1-3: OshDAC1  
 overexpression in transgenic plants leads to increased  
 growth rate and **altered** architecture  
 AUTHOR(S): Jang, In-Cheol; Pahk, Yoon-Mok; Song, Sang Ik; Kwon,  
 Ho Jeong; Nahm, Baek Hie; Kim, Ju-Kon  
 CORPORATE SOURCE: Department of Biological Science, Myongji University,  
 Yongin, 449-728, S. Korea  
 SOURCE: Plant Journal (2003), 33(3), 531-541  
 CODEN: PLJUED; ISSN: 0960-7412  
 PUBLISHER: Blackwell Publishing Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 39 AGRICOLA Compiled and distributed by the National  
 Agricultural Library of the Department of Agriculture of the United States  
 of America. It contains copyrighted materials. All rights reserved.  
 (2003)  
 TI Expression of a bifunctional fusion of the Escherichia coli genes for

trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.

ACCESSION NUMBER: 2003:16107 AGRICOLA  
DOCUMENT NUMBER: IND23310162  
TITLE: Expression of a bifunctional fusion of the Escherichia coli genes for trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.  
AUTHOR(S): Jang, I.C.; Oh, S.J.; Seo, J.S.; Choi, W.B.; Song, S.I.; Kim, C.H.; Kim, Y.S.; Seo, H.S.; Choi, Y.D.; Nahm, B.H.  
AVAILABILITY: DNAL (450 P692)  
SOURCE: Plant physiology, Feb 2003. Vol. 131, No. 2. p. 516-524  
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-  
CODEN: PLPHAY; ISSN: 0032-0889  
NOTE: Includes references  
PUB. COUNTRY: Maryland; United States  
DOCUMENT TYPE: Article; Conference  
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension  
LANGUAGE: English

L2 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth

ACCESSION NUMBER: 2002:575254 CAPLUS  
DOCUMENT NUMBER: 137:136143  
TITLE: Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth  
INVENTOR(S): He, Steven S.; Dotson, Stanton B.  
PATENT ASSIGNEE(S): Monsanto Technology LLC, USA  
SOURCE: PCT Int. Appl., 169 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059332	A2	20020801	WO 2001-US49294	20011219
WO 2002059332	A3	20030130		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2002170093	A1	20021114	US 2001-24632	20011219

PRIORITY APPLN. INFO.: US 2000-257896P P 20001221

L2 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

ACCESSION NUMBER: 2002:850366 CAPLUS  
DOCUMENT NUMBER: 137:364385  
TITLE: Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

INVENTOR(S): Simmons, Carl R.; Acevedo, Pedro A. Navarro; Crane,  
Virginia C.  
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
SOURCE: U.S. Pat. Appl. Publ., 24 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002166146	A1	20021107	US 2002-68347	20020206
PRIORITY APPLN. INFO.:			US 2001-267052P P	20010207

L2 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA  
sequences and use in production of insecticidal toxins A and B in  
transgenic plants

ACCESSION NUMBER: 2002:466761 CAPLUS

DOCUMENT NUMBER: 137:42657

TITLE: Photorhabdus luminescens strain W-14 genes tcdB and  
tccC2, their DNA sequences and use in production of  
insecticidal toxins A and B in transgenic plants

INVENTOR(S): French-Constant, Richard H.; Bowen, David; Rocheleau,  
Thomas A.; Waterfield, Nicholas R.

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 40 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002078478	A1	20020620	US 2001-817514	20010326
PRIORITY APPLN. INFO.:			US 2000-191806P P	20000324

L2 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI cdNA and polypeptide sequences for plant gene brittle-1 homologs and their  
uses

ACCESSION NUMBER: 2001:869049 CAPLUS

DOCUMENT NUMBER: 136:15981

TITLE: cdNA and polypeptide sequences for plant gene  
brittle-1 homologs and their uses

INVENTOR(S): Allen, Stephen M.; Lightner, Jonathan E.; Rafalski, J.  
Antoni

PATENT ASSIGNEE(S): Allen, Stephen, USA

SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S.  
Ser. No. 668,884.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001047523	A1	20011129	US 2001-796766	20010301
WO 9949047	A2	19990930	WO 1999-US6583	19990322
WO 9949047	A3	20000330		

W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID,  
IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO,

NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-79420P P 19980326  
WO 1999-US6583 W 19990322  
US 2000-668884 A2 20000925

L2 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning, sequences and recombinant expression of plant biotin synthases  
ACCESSION NUMBER: 2001:817227 CAPLUS  
DOCUMENT NUMBER: 135:368546  
TITLE: Cloning, sequences and recombinant expression of plant  
biotin synthases  
INVENTOR(S): Allen, Stephen M.; Kinney, Anthony J.; Miao, Guo-hua;  
Orozco, Emil M.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 46 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001039042	A1	20011108	US 2000-740288	20001219

PRIORITY APPLN. INFO.: US 1999-172929P P 19991221

L2 ANSWER 10 OF 39 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2003) DUPLICATE 1

TI Promoter strength and tissue specificity effects on growth of tomato  
plants transformed with **maize** sucrose-phosphate synthase.  
ACCESSION NUMBER: 2001:57445 AGRICOLA  
DOCUMENT NUMBER: IND23216245  
TITLE: Promoter strength and tissue specificity effects on  
growth of tomato plants transformed with **maize**  
sucrose-phosphate synthase.  
AUTHOR(S): Laporte, M.M.; Galagan, J.A.; Prasch, A.L.;  
Vanderveer, P.J.; Hanson, D.T.; Shewmaker, C.K.;  
Sharkey, T.D.  
AVAILABILITY: DNAL (450 P693)  
SOURCE: Planta, Apr 2001. Vol. 212, No. 5/6. p. 817-822  
Publisher: Berlin ; New York : Springer-Verlag, 1925-  
CODEN: PLANAB; ISSN: 0032-0935  
NOTE: Includes references  
PUB. COUNTRY: Germany  
DOCUMENT TYPE: Article  
FILE SEGMENT: Non-U.S. Imprint other than FAO  
LANGUAGE: English

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L2 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Study on aluminum resistance in relation to organic-acid anion exudation  
from roots of PEPC transgenic rice plants  
ACCESSION NUMBER: 2001:840306 CAPLUS  
DOCUMENT NUMBER: 136:164254  
TITLE: Study on aluminum resistance in relation to  
organic-acid anion exudation from roots of PEPC

transgenic rice plants  
 AUTHOR(S): Osaki, M.; Nursyamsi, D.; Begum, H. H.; Watanabe, T.  
 CORPORATE SOURCE: Graduate School of Agriculture, Hokkaido University,  
 Sapporo, 060-8589, Japan  
 SOURCE: Developments in Plant and Soil Sciences (2001),  
 92(Plant Nutrition), 514-515  
 CODEN: DVPSD8; ISSN: 0167-840X  
 PUBLISHER: Kluwer Academic Publishers  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI **Maize** alternative oxidase genes and their uses in transgenic  
 plants

ACCESSION NUMBER: 2000:535298 CAPLUS  
 DOCUMENT NUMBER: 133:145924  
 TITLE: **Maize** alternative oxidase genes and their  
 uses in transgenic plants  
 INVENTOR(S): Simmons, Carl R.  
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
 SOURCE: PCT Int. Appl., 78 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044920	A1	20000803	WO 2000-US1847	20000126
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2355616	AA	20000803	CA 2000-2355616	20000126
EP 1147206	A1	20011024	EP 2000-905725	20000126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: US 1999-117776P P 19990129  
 WO 2000-US1847 W 20000126  
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Peptides with **enhanced** stability to protease degradation useful  
 in the control of plant diseases

ACCESSION NUMBER: 2000:314810 CAPLUS  
 DOCUMENT NUMBER: 132:344450  
 TITLE: Peptides with **enhanced** stability to protease  
 degradation useful in the control of plant diseases  
 INVENTOR(S): Everett, Nicholas P.; Li, Qingshun; Lawrence,  
 Christopher; Davies, Maelor H.  
 PATENT ASSIGNEE(S): Interlink Biotechnologies LLC, USA; University of  
 Kentucky Research Foundation  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026344	A1	20000511	WO 1999-US25561	19991029
W: AT, AU, BR, CA, JP, MX				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 2000037884	A5	20000522	AU 2000-37884	19991029
BR 9914922	A	20010710	BR 1999-14922	19991029
JP 2002530274	T2	20020917	JP 2000-579716	19991029
PRIORITY APPLN. INFO.:			US 1998-106373P	P 19981030
			US 1998-106537P	P 19981102
			WO 1999-US25561	W 19991029
OTHER SOURCE(S):			MARPAT 132:344450	
REFERENCE COUNT:			7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	

L2 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Plant prohibitin homolog genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division  
ACCESSION NUMBER: 2000:191237 CAPLUS  
DOCUMENT NUMBER: 132:232748  
TITLE: Plant prohibitin homolog genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division  
INVENTOR(S): Gordon-Kamm, William J.; Lowe, Keith S.; Nadimpalli, Ramgopal; Simmons, Carl R.  
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
SOURCE: PCT Int. Appl., 73 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015818	A2	20000323	WO 1999-US21385	19990915
WO 2000015818	A3	20000525		
W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6441151	B1	20020827	US 1999-395674	19990914
AU 9959263	A1	20000403	AU 1999-59263	19990915
PRIORITY APPLN. INFO.:			US 1998-100691P	P 19980917
			WO 1999-US21385	W 19990915

L2 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Plant stomatin-like genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division  
ACCESSION NUMBER: 2000:191236 CAPLUS  
DOCUMENT NUMBER: 132:247168  
TITLE: Plant stomatin-like genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division



INVENTOR(S): Gordon-Kamm, William J.; Lowe, Keith S.; Nadimpalli, Ramgopal; Simmons, Carl R.  
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
 SOURCE: PCT Int. Appl., 69 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015817	A2	20000323	WO 1999-US21384	19990915
WO 2000015817	A3	20000608		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9960451	A1	20000403	AU 1999-60451	19990915
US 2001005746	A1	20010628	US 2001-767129	20010122
PRIORITY APPLN. INFO.:				
			US 1998-100748P	P 19980917
			US 1999-395397	A3 19990914
			WO 1999-US21384	W 19990915

L2 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI sequence of **Maize** replication protein a large and middle subunits with applications for modulation of cell cycle in both dicots and monocots

ACCESSION NUMBER: 2000:191235 CAPLUS  
 DOCUMENT NUMBER: 132:247736  
 TITLE: sequence of **Maize** replication protein a large and middle subunits with applications for modulation of cell cycle in both dicots and monocots  
 INVENTOR(S): Mahajan, Pramod  
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
 SOURCE: PCT Int. Appl., 102 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015816	A2	20000323	WO 1999-US21277	19990915
WO 2000015816	A3	20000525		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2337902	AA	20000323	CA 1999-2337902	19990915
AU 9960424	A1	20000403	AU 1999-60424	19990915
EP 1114170	A2	20010711	EP 1999-969117	19990915
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO  
 JP 2003510009 T2 20030318 JP 2000-570343 19990915  
 US 6538176 B1 20030325 US 1999-396149 19990915  
 PRIORITY APPLN. INFO.: US 1998-100690P P 19980917  
 US 1999-123896P P 19990311  
 WO 1999-US21277 W 19990915

L2 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI Plastid targeting sequences for modulating the subcellular localization of  
 recombinant proteins in plants  
 ACCESSION NUMBER: 2000:161470 CAPLUS  
 DOCUMENT NUMBER: 132:204056  
 TITLE: Plastid targeting sequences for modulating the  
 subcellular localization of recombinant proteins in  
 plants  
 INVENTOR(S): Bensen, Robert J.  
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000012732	A2	20000309	WO 1999-US18955	19990825
WO 2000012732	A3	20001019		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9957794	A1	20000321	AU 1999-57794	19990825
PRIORITY APPLN. INFO.: US 1998-98225P P 19980828 WO 1999-US18955 W 19990825				

L2 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI **Altered** fatty acid metabolism in plants using a **maize**  
 fatty acid elongase cDNA  
 ACCESSION NUMBER: 2000:117171 CAPLUS  
 DOCUMENT NUMBER: 132:162032  
 TITLE: **Altered** fatty acid metabolism in plants  
 using a **maize** fatty acid elongase cDNA  
 INVENTOR(S): Wienand, Udo; Da Costa e Silva, Oswaldo; Janke, Sabine  
 PATENT ASSIGNEE(S): Agricultural Technology & Genetics GmbH, Germany  
 SOURCE: PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008172	A1	20000217	WO 1999-EP5543	19990731
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				

TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,  
MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
CA 2337980 AA 20000217 CA 1999-2337980 19990731  
AU 9954172 A1 20000228 AU 1999-54172 19990731  
AU 748943 B2 20020613  
EP 1100930 A1 20010523 EP 1999-940104 19990731  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO  
PRIORITY APPLN. INFO.: EP 1998-114587 A 19980803  
WO 1999-EP5543 W 19990731  
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Modification of starch biosynthetic enzyme gene expression to produce  
starches in grain crops

ACCESSION NUMBER: 2000:98803 CAPLUS  
DOCUMENT NUMBER: 132:147614  
TITLE: Modification of starch biosynthetic enzyme gene  
expression to produce starches in grain crops  
INVENTOR(S): Broglie, Karen E.; Lightner, Jonathan Edward  
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA  
SOURCE: PCT Int. Appl., 56 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006755	A2	20000210	WO 1999-US16296	19990726
WO 2000006755	A3	20000908		
W: AW, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6392120	B1	20020521	US 1999-345214	19990630
AU 9952174	A1	20000221	AU 1999-52174	19990726
EP 1100938	A2	20010523	EP 1999-937313	19990726
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9912680	A	20011009	BR 1999-12680	19990726
JP 2002525029	T2	20020813	JP 2000-562537	19990726
US 6570008	B1	20030527	US 2001-743980	20010115
PRIORITY APPLN. INFO.: US 1998-94436P P 19980728 WO 1999-US16296 W 19990726				

L2 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Manipulation of **maize** Mlo genes to enhance disease resistance in  
plants

ACCESSION NUMBER: 2000:34897 CAPLUS  
DOCUMENT NUMBER: 132:89243  
TITLE: Manipulation of **maize** Mlo genes to enhance  
disease resistance in plants  
INVENTOR(S): Briggs, Steven P.; Simmons, Carl R.  
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
SOURCE: PCT Int. Appl., 89 pp.

CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000001722	A1	20000113	WO 1999-US15255	19990707
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6211433	B1	20010403	US 1999-350268	19990706
US 6576814	B1	20030610	US 1999-347650	19990706
AU 9949712	A1	20000124	AU 1999-49712	19990707
US 6403768	B1	20020611	US 2000-558679	20000426
PRIORITY APPLN. INFO.:			US 1998-91875P	P 19980707
			US 1999-350268	A3 19990706
			WO 1999-US15255	W 19990707
REFERENCE COUNT:	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=> d 12 21-30 ti ibib

L2 ANSWER 21 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.  
ACCESSION NUMBER: 2000:87704 BIOSIS  
DOCUMENT NUMBER: PREV200000087704  
TITLE: A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.  
AUTHOR(S): Randall, Jennifer; Bagga, Suman; Adams, Henry; Kemp, John D. (1)  
CORPORATE SOURCE: (1) Department of Entomology, Plant Pathology and Weed Science, Gene Lab, New Mexico State University, Las Cruces, NM, 88003 USA  
SOURCE: Plant Science (Shannon), (Jan. 14, 2000) Vol. 150, No. 1, pp. 21-28.  
ISSN: 0168-9452.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L2 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Sequence of **maize** cell cycle genes and proteins and useful applications  
ACCESSION NUMBER: 1999:764197 CAPLUS  
DOCUMENT NUMBER: 132:9659  
TITLE: Sequence of **maize** cell cycle genes and proteins and useful applications  
INVENTOR(S): Lowe, Keith S.; Gordon-Kamm, William J.; Bailey, Matthew A.; Wang, Xun; Gregory, Carolyn A.; Mcelver, John A.; Hoerster, George J.; Abbitt, Shane; Dilkes, Brian R.; Larkins, Brian A.; Bowen, Benjamin A.  
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA; Arizona Board of Regents On Behalf of the University of Arizona

SOURCE: PCT Int. Appl., 115 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961619	A2	19991202	WO 1999-US11411	19990520
WO 9961619	A3	20000323		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2329056	AA	19991202	CA 1999-2329056	19990520
AU 9940959	A1	19991213	AU 1999-40959	19990520
EP 1080197	A2	20010307	EP 1999-924470	19990520
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: US 1998-86381P P 19980522  
 WO 1999-US11411 W 19990520

L2 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI cDNA molecules encoding plant serine palmitoyltransferase Lcb1 subunits, sequences and uses of  
 ACCESSION NUMBER: 1999:626344 CAPLUS  
 DOCUMENT NUMBER: 131:268986  
 TITLE: cDNA molecules encoding plant serine palmitoyltransferase Lcb1 subunits, sequences and uses of  
 INVENTOR(S): Cahoon, Rebecca E.; Kinney, Anthony J.; Rafalski, J. Antoni; Rendina, Alan R.  
 PATENT ASSIGNEE(S): E.I. du Pont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9949053	A1	19990930	WO 1999-US6045	19990319
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9931033	A1	19991018	AU 1999-31033	19990319
BR 9907966	A	20001212	BR 1999-7966	19990319
EP 1066387	A1	20010110	EP 1999-912721	19990319
R: DE, FR, GB				

PRIORITY APPLN. INFO.: US 1998-79430P P 19980326  
 WO 1999-US6045 W 19990319

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 24 OF 39 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2003)

TI The **maize** EmBP-1 orthologue differentially regulates  
Opaque2-dependent gene expression in yeast and cultured **maize**  
endosperm cells.

ACCESSION NUMBER: 2000:65212 AGRICOLA  
DOCUMENT NUMBER: IND22056171  
TITLE: The **maize** EmBP-1 orthologue differentially  
regulates Opaque2-dependent gene expression in yeast  
and cultured **maize** endosperm cells.  
AUTHOR(S): Carlini, L.E.; Ketudat, M.; Parsons, R.L.; Prabhakar,  
S.; Schmidt, R.J.; Guiltinan, M.J.  
CORPORATE SOURCE: Pennsylvania State University, University Park, PA.  
SOURCE: Plant molecular biology, Oct 1999. Vol. 41, No. 3. p.  
339-349  
Publisher: Dordrecht : Kluwer Academic Publishers.  
CODEN: PMBIDB; ISSN: 0167-4412  
NOTE: Includes references  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Article  
FILE SEGMENT: Non-U.S. Imprint other than FAO  
LANGUAGE: English

L2 ANSWER 25 OF 39 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 2

TI A polyketide synthase gene required for biosynthesis of fumonisin  
mycotoxins in *Gibberella fujikuroi* mating population A.

ACCESSION NUMBER: 1999307199 EMBASE  
TITLE: A polyketide synthase gene required for biosynthesis of  
fumonisin mycotoxins in *Gibberella fujikuroi* mating  
population A.  
AUTHOR: Proctor R.H.; Desjardins A.E.; Plattner R.D.; Hohn T.M.  
CORPORATE SOURCE: R.H. Proctor, Mycotoxin Research Unit, Agricultural  
Research Service, US Department of Agriculture, Peoria, IL  
61604, United States  
SOURCE: Fungal Genetics and Biology, (1999) 27/1 (100-112).  
Refs: 46  
ISSN: 1087-1845 CODEN: FGBIFV  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 004 Microbiology  
052 Toxicology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L2 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Starch granule-associated protein and transgenic plants producing starch  
with **altered** viscosity and phosphate content

ACCESSION NUMBER: 1998:424347 CAPLUS  
DOCUMENT NUMBER: 129:91420  
TITLE: Starch granule-associated protein and transgenic  
plants producing starch with **altered**  
viscosity and phosphate content  
INVENTOR(S): Kossmann, Jens; Emmermann, Michael  
PATENT ASSIGNEE(S): Planttec Biotechnologie G.m.b.H., Germany; Kossmann,  
Jens; Emmermann, Michael  
SOURCE: PCT Int. Appl., 123 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9827212	A1	19980625	WO 1997-EP7123	19971218
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19653176	A1	19980625	DE 1996-19653176	19961219
AU 9858577	A1	19980715	AU 1998-58577	19971218
AU 740492	B2	20011108		
EP 950107	A1	19991020	EP 1997-954424	19971218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT				
JP 2001522223	T2	20011113	JP 1998-527334	19971218
PRIORITY APPLN. INFO.:				
DE 1996-19653176 A 19961219				
WO 1997-EP7123 W 19971218				
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Manipulation of protoporphyrinogen oxidase enzyme activity in eukaryotic organisms

ACCESSION NUMBER: 1998:435724 CAPLUS

DOCUMENT NUMBER: 129:64053

TITLE: Manipulation of protoporphyrinogen oxidase enzyme activity in eukaryotic organisms

INVENTOR(S): Ward, Eric R.; Volrath, Sandra

PATENT ASSIGNEE(S): Novartis Finance Corp., USA

SOURCE: U.S., 43 pp., Cont.-in-part of U.S. Ser. No. -261,198, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 9

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5767373	A	19980616	US 1995-472028	19950606
CN 1150820	A	19970528	CN 1995-193629	19950608
HU 76353	A2	19970828	HU 1996-3175	19950608
US 5939602	A	19990817	US 1997-808931	19970228
US 6288306	B1	20010911	US 1998-15683	19980129
US 6084155	A	20000704	US 1998-102420	19980622
US 6307129	B1	20011023	US 1998-191998	19981112
US 6282837	B1	20010904	US 1998-196268	19981119
AU 750445	B2	20020718	AU 1999-50101	19990923
AU 9950101	A1	20000203		
US 6308458	B1	20011030	US 2000-497698	20000203
US 2001016956	A1	20010823	US 2000-730525	20001205
CN 1382377	A	20021204	CN 2001-111837	20010321
CN 1309184	A	20010822	CN 2001-112126	20010329
PRIORITY APPLN. INFO.:				
US 1994-261198 B2 19940616				
US 1995-472028 A2 19950606				
US 1996-12705P P 19960228				
US 1996-13612P P 19960228				
US 1996-20003P P 19960621				
US 1997-808931 A2 19970228				
US 1998-15683 A1 19980129				
US 1998-126430P P 19980311				
US 1998-50603 A2 19980330				

US 1998-59164 A2 19980413  
US 1998-102419 B2 19980622  
US 1998-102420 A3 19980622

REFERENCE COUNT: 122 THERE ARE 122 CITED REFERENCES AVAILABLE FOR  
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L2 ANSWER 28 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Resistance of **maize** calli to herbicide Basta and its relevant  
effect by some **amino acids**.

ACCESSION NUMBER: 1999:244483 BIOSIS

DOCUMENT NUMBER: PREV199900244483

TITLE: Resistance of **maize** calli to herbicide Basta and  
its relevant effect by some **amino acids**

AUTHOR(S): Zhao Tian-Yong; Wang Guo-Ying (1); Huang Zhong; Zhang  
Yun-Fang; Xie You-Ju

CORPORATE SOURCE: (1) National Laboratory for Agrobiotechnology, China  
Agricultural University, Beijing, 100094 China

SOURCE: Acta Botanica Sinica, (Nov., 1998) Vol. 40, No. 11, pp.  
1010-1014.  
ISSN: 0577-7496.

DOCUMENT TYPE: Article

LANGUAGE: Chinese

SUMMARY LANGUAGE: Chinese; English

L2 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Arabidopsis thaliana scarecrow gene and promoter sequence and agronomic  
applications

ACCESSION NUMBER: 1997:740257 CAPLUS

DOCUMENT NUMBER: 128:31104

TITLE: Arabidopsis thaliana scarecrow gene and promoter  
sequence and agronomic applications

INVENTOR(S): Benfey, Philip N.; Dilaurenzio, Laura; Wysocka-Diller,  
Joanna; Malamy, Jocelyn E.; Pysh, Leonard; Helariutta,  
Yrjo

PATENT ASSIGNEE(S): New York University, USA

SOURCE: PCT Int. Appl., 221 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9741152	A1	19971106	WO 1997-US7022	19970425
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 6441270	B1	20020827	US 1997-842445	19970424
AU 9732831	A1	19971119	AU 1997-32831	19970425
AU 724857	B2	20001005		
EP 907660	A1	19990414	EP 1997-928623	19970425
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
US 2003088073	A1	20030508	US 2002-253007	20020923
PRIORITY APPLN. INFO.:			US 1996-638617	A 19960426
			US 1997-842445	A 19970424
			WO 1997-US7022	W 19970425



L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 TI Regulation of plant development and physiology through plasmodesmatal  
 macromolecular transport using the movement protein of tobacco mosaic  
 virus or the KNOTTED1 protein of **maize**  
 ACCESSION NUMBER: 1997:502259 CAPLUS  
 DOCUMENT NUMBER: 127:105240  
 TITLE: Regulation of plant development and physiology through  
 plasmodesmatal macromolecular transport using the  
 movement protein of tobacco mosaic virus or the  
 KNOTTED1 protein of **maize**  
 INVENTOR(S): Lucas, William J.  
 PATENT ASSIGNEE(S): Regents of the University of California, USA  
 SOURCE: PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9720470	A1	19970612	WO 1996-US19260	19961204
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9711453	A1	19970627	AU 1997-11453	19961204
PRIORITY APPLN. INFO.:			US 1995-7915P	P 19951204
			US 1996-698461	A 19960815
			WO 1996-US19260	W 19961204

=> d 12 30 ab

L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 AB Methods and mechanisms for regulation of macromol. transport between cells in plasmodesmatal communication with one another are disclosed. Tobacco mosaic virus movement protein (TMV-MP) in wild type and mutant forms is shown to interfere with the endogenous signal transduction pathway that involves macromol. trafficking through plasmodesma to regulate plant size, carbon metab. and biomass partitioning. Plant growth response to light intensity is also **altered** by the viral movement protein. Use of a protein to mediate its own cell-to-cell transport through plasmodesma is illustrated with wild type and mutant forms of KNOTTED protein from the **maize** homeobox gene Knotted. Selective cell-to-cell movements of proteins through plasmodesma are shown to potentiate cellular interactions between cells in adjacent cell layers, such as between layers of meristematic tissue, and between vascular tissue cells and cells in adjacent mesophyll and epidermal layers. Protein domains essential for KNOTTED movement were investigated using a series of alanine scanning mutants. Microinjection studies establish that the MADS box genes *deficiens* and *globosa* of *Antirrhinum* also have the capacity to interact with the plasmodesma to mediate in their cell-to-cell transport.

=> d 12 30-39 to ibib

'TO' IS NOT A VALID FORMAT

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in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ti

L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Regulation of plant development and physiology through plasmodesmatal macromolecular transport using the movement protein of tobacco mosaic virus or the KNOTTED1 protein of **maize**

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

L2 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control

L2 ANSWER 34 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 3  
TI Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.

L2 ANSWER 35 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 4  
TI Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.

L2 ANSWER 36 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Effect of glycolate pathway intermediates on succinate metabolism in **maize** and wheat leaves incubated in the dark.

L2 ANSWER 37 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 5  
TI NADP-ISOCITRATE DEHYDROGENASE AND THE **TRANSFORMATIONS** OF ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.

L2 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Expression of a **maize** sucrose phosphate synthase in tomato alters leaf carbohydrate partitioning

L2 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)  
TI Isolation, characterization and sequence of a gene conferring resistance to the systemic fungicide carboxin from the **maize** smut pathogen, Ustilago maydis.

=> d l2 31-39 ti ibib

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS  
TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA  
ACCESSION NUMBER: 1997:310784 CAPLUS  
DOCUMENT NUMBER: 126:289035  
TITLE: Plant geraniol/nerol 10-hydroxylase and its encoding

DNA  
INVENTOR(S): Ohta, Daisaku; Mizutani, Masaharu  
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
SOURCE: PCT Int. Appl., 42 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9711184	A1	19970327	WO 1996-EP3953	19960910
W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 5753507	A	19980519	US 1995-532065	19950922
AU 9669887	A1	19970409	AU 1996-69887	19960910
PRIORITY APPLN. INFO.:			US 1995-532065	19950922
			WO 1996-EP3953	19960910

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

ACCESSION NUMBER: 1997:189956 CAPLUS

DOCUMENT NUMBER: 126:182646

TITLE: Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

INVENTOR(S): Law, Marcus Dixon; Dietz, Jon Marquis

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.; Law, Marcus Dixon; Dietz, Jon Marquis

SOURCE: PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9702352	A1	19970123	WO 1996-EP2673	19960620
W:	AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 6040496	A	20000321	US 1995-496944	19950630
AU 9663588	A1	19970205	AU 1996-63588	19960620
PRIORITY APPLN. INFO.:			US 1995-496944	19950630
			WO 1996-EP2673	19960620

L2 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control

ACCESSION NUMBER: 1997:69813 CAPLUS

DOCUMENT NUMBER: 126:85649

TITLE: Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control

INVENTOR(S): Fox, Timothy W.; Garnaat, Carl W.; Meyer, Terry E.

PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA  
SOURCE: PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9637615	A1	19961128	WO 1996-US7764	19960524
W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML			
US 5824864	A	19981020	US 1995-449986	19950525
CA 2221972	AA	19961128	CA 1996-2221972	19960524
AU 9658791	A1	19961211	AU 1996-58791	19960524
US 5882668	A	19990316	US 1996-756855	19961126
PRIORITY APPLN. INFO.:			US 1995-449986	19950525
			WO 1996-US7764	19960524

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(2003) DUPLICATE 3

TI Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.

ACCESSION NUMBER: 96:19312 AGRICOLA

DOCUMENT NUMBER: IND20504996

TITLE: Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.

AUTHOR(S): Bittel, D.C.; Shver, J.M.; Somers, D.A.; Gengenbach, B.G.

CORPORATE SOURCE: University of Minnesota, St. Paul, MN.

AVAILABILITY: DNAL (442.8 Z8)

SOURCE: Theoretical and applied genetics, Jan 1996. Vol. 92, No. 1. p. 70-77

Publisher: Berlin; Springer-Verlag

CODEN: THAGA6; ISSN: 0040-5752

NOTE: Includes references

PUB. COUNTRY: West Berlin

DOCUMENT TYPE: Article

FILE SEGMENT: Non-U.S. Imprint other than FAO

LANGUAGE: English

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(2003) DUPLICATE 4

TI Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.

ACCESSION NUMBER: 94:12213 AGRICOLA

DOCUMENT NUMBER: IND20369422

TITLE: Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.

AUTHOR(S): Matsuoka, M.; Ichikawa, H.; Saito, A.; Tada, Y.; Fujimura, T.; Kano-Murakami, Y.

AVAILABILITY: DNAL (QK725.P532)

SOURCE: The Plant cell, Sept 1993. Vol. 5, No. 9. p. 1039-1048  
Publisher: [Rockville, MD : American Society of Plant

Physiologists, c1989-  
CODEN: PLCEEW; ISSN: 1040-4651  
NOTE: Includes references  
PUB. COUNTRY: Maryland; United States  
DOCUMENT TYPE: Article  
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension  
LANGUAGE: English

L2 ANSWER 36 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Effect of glycolate pathway intermediates on succinate metabolism in  
**maize** and wheat leaves incubated in the dark.

ACCESSION NUMBER: 1993:169280 BIOSIS  
DOCUMENT NUMBER: PREV199395090330  
TITLE: Effect of glycolate pathway intermediates on succinate  
metabolization in **maize** and wheat leaves  
incubated in the dark.  
AUTHOR(S): Igamberdiev, A. U.; Rodionova, M. I.  
CORPORATE SOURCE: Biol.-Soil Fac., Voronezh State Univ., Voronezh Russia  
SOURCE: Fiziologiya Rastenii (Moscow), (1992) Vol. 39, No. 1, pp.  
126-134.  
ISSN: 0015-3303.  
DOCUMENT TYPE: Article  
LANGUAGE: Russian  
SUMMARY LANGUAGE: Russian; English

L2 ANSWER 37 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
5

TI NADP-ISOCITRATE DEHYDROGENASE AND THE **TRANSFORMATIONS** OF  
ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.

ACCESSION NUMBER: 1992:262440 BIOSIS  
DOCUMENT NUMBER: BA93:138765  
TITLE: NADP-ISOCITRATE DEHYDROGENASE AND THE  
**TRANSFORMATIONS** OF ISOCITRATE AND 2 KETOGLUTARATE  
IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.  
AUTHOR(S): POPOVA T N; IVANOV B F; ZEMLYANUKHIN A A  
CORPORATE SOURCE: VORONEZH STATE UNIV., VORONEZH, RUSS.  
SOURCE: FIZIOL RAST (MOSC), (1991) 38 (6), 1142-1149.  
CODEN: FZRSBV. ISSN: 0015-3303.  
FILE SEGMENT: BA; OLD  
LANGUAGE: Russian

L2 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Expression of a **maize** sucrose phosphate synthase in tomato  
alters leaf carbohydrate partitioning

ACCESSION NUMBER: 1993:165255 CAPLUS  
DOCUMENT NUMBER: 118:165255  
TITLE: Expression of a **maize** sucrose phosphate  
synthase in tomato alters leaf carbohydrate  
partitioning  
AUTHOR(S): Worrell, Ann C.; Bruneau, Jean Michel; Summerfelt,  
Kristin; Boersig, Mike; Voelker, Toni A.  
CORPORATE SOURCE: Calgene Inc., Davis, CA, 95616, USA  
SOURCE: Plant Cell (1991), 3(10), 1121-30  
CODEN: PLCEEW; ISSN: 1040-4651  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L2 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National  
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of America. It contains copyrighted materials. All rights reserved.  
(2003)

TI Isolation, characterization and sequence of a gene conferring resistance  
to the systemic fungicide carboxin from the **maize** smut pathogen,  
Ustilago maydis.

ACCESSION NUMBER: 91:81119 AGRICOLA  
 DOCUMENT NUMBER: IND91045085  
 TITLE: Isolation, characterization and sequence of a gene conferring resistance to the systemic fungicide carboxin from the **maize** smut pathogen, *Ustilago maydis*.  
 AUTHOR(S): Keon, J.P.R.; White, G.A.; Hargreaves, J.A.  
 CORPORATE SOURCE: University of Bristol, Bristol, UK  
 AVAILABILITY: DNAL (QH426.C8)  
 SOURCE: Current genetics, 1991. Vol. 19, No. 6. p. 475-481  
 Publisher: Berlin, W. Ger. : Springer International.  
 CODEN: CUGEDS; ISSN: 0172-8083  
 NOTE: Includes references.  
 DOCUMENT TYPE: Article  
 FILE SEGMENT: Non-U.S. Imprint other than FAO  
 LANGUAGE: English

=> d 12 31 32 35

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:310784 CAPLUS  
 DN 126:289035  
 TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA  
 IN Ohta, Daisaku; Mizutani, Masaharu  
 PA Ciba-Geigy A.-G., Switz.  
 SO PCT Int. Appl., 42 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9711184	A1	19970327	WO 1996-EP3953	19960910
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5753507	A	19980519	US 1995-532065	19950922
	AU 9669887	A1	19970409	AU 1996-69887	19960910
PRAI	US 1995-532065		19950922		
	WO 1996-EP3953		19960910		

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:189956 CAPLUS  
 DN 126:182646  
 TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses  
 IN Law, Marcus Dixon; Dietz, Jon Marquis  
 PA Ciba-Geigy A.-G., Switz.; Law, Marcus Dixon; Dietz, Jon Marquis  
 SO PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9702352	A1	19970123	WO 1996-EP2673	19960620
	W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
MR, NE, SN, TD, TG

US 6040496	A	20000321	US 1995-496944	19950630
AU 9663588	A1	19970205	AU 1996-63588	19960620
PRAI US 1995-496944		19950630		
WO 1996-EP2673		19960620		

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of America. It contains copyrighted materials. All rights reserved.  
(2003) DUPLICATE 4

AN 94:12213 AGRICOLA

DN IND20369422

TI Expression of a rice homeobox gene causes **altered** morphology of  
transgenic plants.

AU Matsuoka, M.; Ichikawa, H.; Saito, A.; Tada, Y.; Fujimura, T.;  
Kano-Murakami, Y.

AV DNAL (QK725.P532)

SO The Plant cell, Sept 1993. Vol. 5, No. 9. p. 1039-1048  
Publisher: [Rockville, MD : American Society of Plant Physiologists,  
c1989-  
CODEN: PLCEEW; ISSN: 1040-4651

NTE Includes references

CY Maryland; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

=> d 12 31 32 35 ab

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS

AB Novel plant DNA sequences encoding geraniol/nerol 10-hydroxylase (G10H)  
are provided. The cDNA from Arabidopsis thaliana was isolated and  
sequenced by std. recombinant DNA and mol. cloning techniques, and used to  
detect a homologous sequence in **maize**. Arabidopsis G10H  
comprises 495 **amino acid** residues with an N-terminal  
signal sequence. Methods for using the complete or partial G10H coding  
sequence as a probe for diagnosis, mapping, and generation of transformed  
host cells are available. Transgenic plant tissues can be constructed  
expressing the G10H enzyme for enhancing levels of terpenoid indole  
alkaloid and/or iridoid insect pheromone.

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS

AB A method of inducing resistance to RNA viruses in susceptible  
monocotyledonous plants is described. The methods involve the synthesis  
of an untranslatable form of the viral RNA, e.g. with start codons absent  
or with internal stop codons in the plant that interfere with viral  
propagation. The RNA may be synthesized by expression of a sequence  
derived from the viral RNA from a plant promoter. Structural and  
organizational information for the genome of strain B (MDMV-B) of  
**maize** dwarf mosaic virus and methods of using it in the inhibition  
of viral infection are described. The methods include the generation of  
transformed plants contg. chimeric genes capable of expressing either  
MDMV-B proteins or translationally **altered** forms of mRNA  
sequences produced by MDMV-B.

L2 ANSWER 35 OF 39 AGRICOLA Compiled and distributed by the National  
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of America. It contains copyrighted materials. All rights reserved.  
(2003) DUPLICATE 4

AB We have isolated a cDNA clone encoding a homeobox sequence from rice. DNA  
sequence analysis of this clone, which was designated as Oryza sativa  
homeobox 1 (OSH1), and a genomic clone encoding the OSH1 sequence have

shown that the OSH1 gene consists of five exons and encodes a polypeptide of 361 **amino acid** residues. Restriction fragment length polymorphism analysis has shown that OSH1 is a single-copy gene located near the phytochrome gene on chromosome 3. Introduction of the cloned OSH1 gene into rice resulted in **altered** leaf morphology, which was similar to that of the **maize** morphological mutant Knotted-1 (Kn1), indicating that OSH1 is a rice gene homologous to the **maize** Kn1 gene. RNA gel blot analysis has shown that the gene is primarily expressed in the shoot apices of young rice seedlings. This finding is supported by results of **transformation** experiments in which the 5' flanking region of the gene directed expression of a reporter gene in the shoot apex, particularly in stipules, of transgenic Arabidopsis. To elucidate the biological function of the OSH1 gene product, the coding region was introduced into Arabidopsis under the control of the cauliflower mosaic virus 35S promoter. Almost all transformants showed abnormal morphology. The typical phenotype was the formation of clumps of abundant vegetative and reproductive shoot apices containing meristems and leaf primordia, which did not form elongated shoots. Some transformants with a less severe phenotype formed elongated shoots but had abnormally shaped leaves and flowers with stunted sepals, petals, and stamens. The abnormal phenotypes were inherited, and the level of expression of the introduced OSH1 correlates with the severity of the phenotype. These findings indicate that the abnormal morphologies of the transgenic plants are caused by the expression of the OSH1 gene product and, therefore, that OSH1 is related to the plant development process.